

Docket No. 217 – Development and Management Plan Inspection

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

Date: April 26, 2005

Inspector: Diana Walden

Location: 345kV XLPE Component

Storm/

Rain Event: Approximately 3.6" of rain was recorded over 4/22-4/23 as reported by NOAA. However, there were local, unconfirmed reports of over 5".

Areas of Inspection	Observation	Recommended Action	Corrective Action
Access Roads and Adjacent Roadways	<ul style="list-style-type: none"> -The jack and bore of East Swamp Brook is accessed from the roadway. 2/16-4/26/06. - No obvious sediment tracking was present on the roadway. 4/26/06 -Active trenchwork continues at Plumtree Substation, accessed by the driveway. 4/26/06 - All observed catch basins near disturbed soil were placed with controls, including one at vault 5, receiving dewatering discharge. 4/26/06 -The stone access off Rt. 58 is in good shape but some vehicle tracking remains in the wetland where the mats were removed. 4/12-4/26/06 	<ul style="list-style-type: none"> - Equipment is located on both sides of the bore as well as in the adjacent ball park during the day. 4/26/06. -Street sweeping is being performed regularly. Continue to monitor. 4/26/06 - None at this time. -Continue to place controls on CBs where work will occur adjacent. 4/26/06 - Stone will be removed at the end of work here. See other sections for more information. 4/6-4/26/06 -Avoid backtracking into this area since the mats have already been pulled. Restoration should occur when work here is complete. 4/12-4/26/06 	<ul style="list-style-type: none"> - Not applicable (N/A) -Street sweeping will be done regularly. -N/A - CBs are being covered. - N/A. -Needs attention
Trench and foundation	- Work at the jack and	- The area remains well	-N/A

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construction	bore of East Swamp Brook located at the	contained at this time but the operation is running	
Trench and foundation construction continued	intersection of Plumtrees Rd. Walnut Hill Rd. and Whittlesey Dr. is ongoing. Sheet piling/shoring is in place on both sides of the intersection. 2/2-4/26/06	significant problems with keeping water out of the trench. The grout injections didn't work as anticipated. 4/26/06	
	-Active trenching continues in the Plumtree substation yard. 4/19-4/26/06	-The area is largely contained. See erosion control section for more information. 4/26/06	-N/A
	-Trench work appeared complete in the pull-off near vault 2a and b. 4/26/06	-See EC section for more details. 4/26/06	-N/A
	- Most roadway trench work was complete at the time. Some work in roadway shoulders was occurring near vault 5. 4/26/06	- See EC section for more details. Permits are needed to continue trench work into Rt. 58. 4/26/06	-N/A
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event) Plumtree Substation	-The trench is complete along the slope at Hoyts Hill with a small area of open trench remaining at the base. 4/6-4/26/06	- Some recommendations are present in the erosion control and access sections. 4/26/06	
	- Moving the dewatering box caused some minor disturbance to the wetland swale along the access road. 3/15-4/26/06	-The small disturbed area within the swale should be regraded and restored. 3/15-4/26/06	-Needs attention
	-Small stockpiles resulting from the active work here remain contained. 4/19-4/26/06	-None at this time. 4/26/06	-N/A
Walnut Hill Rd.	-A stone stockpile is encroaching into the wetland swale along the access drive. 4/26/06	-The stone should be removed when feasible. 4/26/06	-Needs attention
	- Work is complete near vault 2A&B. Silt fence is	- Restore when feasible and keep stone surface to	-Needs attention when feasible

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Jack and Bore	in place but the area will need some restoration. 4/26/06	the minimum necessary. 4/26/06	
	- One inactive filter bag remained behind the silt fence. 4/26/06	-Upon restoration, remove all materials including filter bags. 4/26/06	-Needs attention when feasible
	-The plastic liner remains within the stream bed. The recent heavy rains and increased flow scattered the sandbags in the diversion area. 4/26/06	-The stream was still running clear at the time and will be restored eventually. Water problems in the trench continue and the sandbags will be restored. 4/26/06	-N/A at the time
	-Silt fence was restored at the receiving pit side. 4/26/06	-None at this time-continue to monitor 4/26/06	-Silt fence was restored.
Judd Ave	-Dewatering was noted to a filter bag near the trench work at vault 5 and the adjacent catch basin was protected. 4/26/06	- The area was well contained with good controls. 4/26/06	- N/A – proactive controls installed.
Hoyts Hill	- Noticeable grass growth continues along the slope. 4/26/06	- None at this time, continue to monitor for stabilization. 4/26/06	- N/A (grass growth has occurred)
	-Equipment tracking was noted in the wetland beyond the stone access where mats had previously been. 4/19-4/26/06	- Mats may have been removed prematurely. The wetland surface should be restored when work is complete. 4/19-4/26/06	-Needs attention
Inland Wetland and Watercourse encroachment and mitigation	-East Swamp Brook crosses under Plumtrees Rd. A large plastic liner is in place across the bed and up along the banks to keep water out of the bore trench. Sandbags were scattered due to the recent high flow. 4/26/06 -Water problems continue in the trench.	- The stream continues to run clear. Be sure to remove the liner and restore the natural bed when work is complete. Watch the banks where soil was disturbed for any erosion. 2/16-4/26/06	-N/A at this time until the work is complete

Areas of Inspection	Observation	Recommended Action	Corrective Action
State species of concern, threatened and endangered species	<ul style="list-style-type: none"> -The D&M plan and clearance letter states that state-listed species are not located in this work area. -However, a wood turtle was noted at Plumtree Substation last spring. 4/26/06 	<ul style="list-style-type: none"> - N/A -345kV XLPE crews should also be performing daily walkthroughs before moving equipment in the morning. 4/26/06 	-N/A
Vegetative clearing limits (including trees to save or danger trees noted)	<ul style="list-style-type: none"> -Most work on this project remains in the roadway, access drives or maintained lawn areas. 4/26/06 - A number of areas remain disturbed along the roadways. 4/12-4/26/06 	<ul style="list-style-type: none"> -Restore lawn and vegetation as necessary when work is complete during the growing season. This is needed especially where vaults were installed. 3/2-4/26/06 - Areas should be restored within D&M timeframes if work will not return here 4/26/06 	-Needs attention within timeframes.
Dewatering	<ul style="list-style-type: none"> -The amount of water continues to overwhelm the dewatering efforts at the jack and bore. The grout injections did not work as anticipated. Further actions are being evaluated here. 4/26/06 - Dewatering was noted to a filter bag at the trench work near vault 5. 4/26/06 	<ul style="list-style-type: none"> - In addition, the frac tank had been in use and attempts continue to divert stream water from over the work area with sand bags but these were scattered by high flow. 4/6-4/26/06 -Controls were well in place. 4/26/06 	<ul style="list-style-type: none"> -N/A - N/A
Blasting	<ul style="list-style-type: none"> - No blasting is occurring at this work area. 	<ul style="list-style-type: none"> - None at this time. 	-N/A
Soils	<ul style="list-style-type: none"> - For the most part, soil is being removed directly from the remaining trenchwork and the operation is very clean. 4/26/06 - Topsoil was stripped and stockpiled at the 	<ul style="list-style-type: none"> - None at this time. 4/26/06 - None at this time. Controls are well installed 	<ul style="list-style-type: none"> - N/A -N/A

Areas of Inspection	Observation	Recommended Action	Corrective Action
	contractor yard. 3/15-4/26/06	here. 3/15-4/26/06	
Spills and Material Storage Areas	- Equipment should be stored overnight up to 100ft or as far from resource areas where practicable. 1/19-4/26/06	- Report spills immediately, even if they are being controlled. - Any fuels and agents not in use should be covered and stored before leaving for the day. - Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site.	-N/A at the time

Next likely scheduled inspection:

Thursday May 4, 2006

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature:

Diana Walden



345kV XLPE (Plumtree Substation): Both photos show the active excavation and trench work for this project within the station yard. All soil and work remains contained at this time. 4/26/06



(Walnut Hill Rd) Both photos show the completed trench leading from the pull-off area at vault 2a and 2b to the roadway. Silt fence was extended on both sides as recommended. 4/26/06



(Jack and Bore) Photo on the left shows the diversion work in the stream where sandbags were washed out of place due to the recent heavy rains. Photo on the right shows a view of the bore pad. 4/26/06



(Judd Ave and Hoyts Hill): Photo on the left shows a view of the work near vault 5. Dewatering was being sent to a filter bag and then a protected catch basin. Photo on the right shows a view of the remaining open trench at Hoyts Hill some tracking was present off the stone pad in the adjacent wetland. 4/26/06